ATOLL ELECTRONIQUE



IN800 *EVOLUTION*

INTEGRATED AMPLIFIER - PREAMPLIFIER

Ultra-high-end integrated amplifier

- 12 mm brushed, bead-blasted, and anodized aluminum front panel with high-precision engraving.
- Machined aluminum heatsink and knobs.
- 2 mm steel chassis.
- Toroidal transformers: 1200 VA (audio) mechanically decoupled + 1.6 VA (control logic) + 25 VA (digital control) + 7 VA (analog control).
- High-quality shielded MKP coupling capacitors.
- Integrated dual mono structure:
  - – Separate windings for left and right channels.
  - – High-precision MUSE attenuators: One per channel with switched resistors.
- Bipolar transistor input stages.
- Bipolar transistor and LED current sources for perfect stability.
- Darlington transistor driver stages.
- Audio stages with a perfectly symmetrical structure and very low negative feedback.
- MOS-FET transistor power stages rigorously matched (16 per channel).
- Internal speakers output wiring using Absolue Créations cable.
- Active thermal protection.
- High-resolution TFT display (480x1280) with adjustable brightness.
- Precise balance control with memory function.
- Input renaming capability.
- Selectable standby mode: Low power or warm-up.
- DAC and MM or MC phono boards available as options.
- Aluminum remote control included as standard.





Rear view of the IN800 EVO equipped with the DA800 and P800 boards.

CONNECTIVITY

2 XLR Inputs
3 RCA LINE Inputs + 1 RCA TAPE Input/Output
– BY-PASS configuration: 1 RCA Input and 1 XLR Input
12 V Trigger Input
12 V Trigger Output
XLR PRE-OUT Output
RCA PRE-OUT Output
Compatible with the DA800 digital board and the P800 PHONO board

TECHNICAL DATA

Power:	2×350 Wrms / 8Ω 2×550 Wrms / 4Ω
Total of capacitors:	128 000 µF
Bandwidth (-3 dB):	5 Hz – 100 kHz
Rising time:	2 µs
Input impedance:	220 kΩ
Sensitivity:	400 mV
Signal-to-noise ratio:	100 dB
Distortion at 1 kHz:	0,05 %
Standby power consumption (low power):	< 0,5 W
Dimensions:	443×440×147 mm
Weight:	27 Kg

Data is subject to change.

DA800 :

DAC board for IN800



CONNECTIVITY

1 AES/EBU input (44.1 kHz to 192 kHz)
2 Coaxial inputs (44.1 kHz to 192 kHz)
2 Optical inputs (44.1 kHz to 192 kHz)
1 USB input (PCM from 44.1 kHz to 768 kHz and DSD 64 to DSD 256)
1 Bluetooth 5.0 input

TECHNICAL DATA

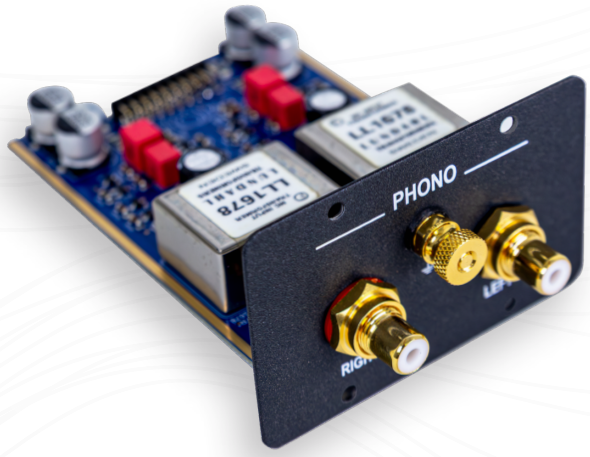
Dual AK4497S converters:
- Dynamic range: 133 dB
- Signal-to-noise ratio: 133 dB
- Decoded formats: up to 32-bit / 768 kHz

XMOS USB converter:
- Asynchronous operation
- Custom ATOLL firmware
- PCM up to 32-bit / 768 kHz and DSD64 to DSD256

BM83 Bluetooth module:
- Bluetooth 5.0: 16-bit and 24-bit at 44.1 kHz and 48 kHz
- I2S output connected to AK4497S converters
- Screw-on external antenna

P800

Phono board for IN800



SPECIFICATIONS

Configurable for MM and MC (low, medium, and high gain)
Two high-performance MC transformers (Lundahl)
Class A biased discrete component stages

TECHNICAL DATA

Input impedance: 47 kΩ
Signal-to-noise ratio: 100 dB
Crosstalk at 1 kHz: < -86 dB
Frequency response
(20 Hz - 20 kHz): < 0.1 dB
THD at 1 kHz: 0.005%
MM gain: 41 dB (*)
High-output MC gain: 59 dB (*)
Medium-output MC gain: 65 dB (*)
Low-output MC gain: 71 dB (*)

(*) depending on card configuration